

## EAST Search History

| Ref # | Hits   | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|---|---|------------------|---------|------------------|
| S1    | 9466   | topolog\$3 and ((established activated current active\$1) near2 (path\$1 route\$1))                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/04 15:38 |
| S2    | 1103   | topolog\$3 and (((established activated current active\$1) near2 (path\$1 route\$1)) with (map\$4 determin\$5))         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/04 15:40 |
| S3    | 651    | ("370".clas. "709".clas.) and S2  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/04 15:41 |
| S4    | 198    | ("370".clas. "709".clas.) and S2 and query\$4   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/04 15:42 |
| S6    | 336    | ((path near2 based) path\$1based) same (network\$3 with topolog \$3)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/04 16:04 |
| S7    | 107    | S6 and ((established activated current active \$1) near2 (path\$1 route \$1))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/04 16:05 |
| S13   | 156496 | ((established activated current active\$1) near2 (path\$1 route\$1))  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/05 13:20 |
| S14   | 400    | (network\$3 near2 topolog\$3) same S13  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/05 13:20 |
| S15   | 316    | ("370".clas. "709".clas.) and S14   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/05 13:21 |
| S17   | 16     | ("20010053148"   "20020009090"   "20040105438"   "20050099950"   "20060224813"   "6098188"   "6212190"   "6339595").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | OFF     | 2009/02/05 13:32 |

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| S27 | 12    | (path\$1 route\$1) near3<br>re\$1discovery   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/05<br>14:05 |
| S28 | 13    | ("20020088698"  <br>"20020107023"  <br>"20030118051"  <br>"20040034714"  <br>"20050036486"  <br>"20050063312"  <br>"20050281291"  <br>"20060007863"  <br>"5065399"   "7088706"<br>  "7120118"  <br>"7177295"  <br>"7246173").PN. | US-PGPUB;<br>USPAT                                   | OR | OFF | 2009/02/05<br>14:10 |
| S29 | 92    | ((path\$1 route\$1)<br>near3 discovery) same<br>topolog\$3) and<br>((established activated<br>current active\$1) near2<br>(path\$1 route\$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/05<br>14:28 |
| S51 | 894   | discover\$4 with (node<br>\$1 (network\$1 near2<br>(element\$1 device\$1)))<br>with path\$1  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>13:17 |
| S55 | 86    | ((route\$1 path\$1)<br>near3 discover\$4) and<br>((per adj2 hop) per<br>\$1hop\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>13:45 |
| S56 | 9520  | (map\$4 display\$4 graph<br>\$4) same<br>(communication\$1<br>near2 (path\$1 route<br>\$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>13:53 |
| S57 | 10126 | (network\$4 near2<br>manag\$6) and (network<br>\$4 near2 topolog\$4)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>13:54 |
| S59 | 296   | S56 and S57  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>13:54 |
| S60 | 76881 | (communication\$1 adj2<br>path\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:12 |
| S61 | 7160  | (map\$4 display\$4 graph<br>\$4) same<br>(communication\$1 adj2<br>path\$1)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:12 |

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| S62 | 11531 | (node\$1 ne\$1 (network \$1 near2 (element\$1 node\$1 device\$1)) router\$1 switch\$1) with (communication\$1 adj path\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:13 |
| S63 | 1243  | S61 and S62  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:13 |
| S64 | 814   | ((connection\$1 rout\$3 circuit\$1 topolog\$4 performance\$1) with (information\$1)) and S63                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:14 |
| S65 | 543   | event\$1 and S64   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:15 |
| S66 | 2555  | (map\$4 display\$4 graph \$4) with (communication\$1 adj2 path\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:16 |
| S67 | 523   | S62 and S66  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:16 |
| S68 | 324   | ((connection\$1 rout\$3 circuit\$1 topolog\$4 performance\$1) with (information\$1)) and S67                               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:17 |
| S69 | 3392  | (communication\$1 adj2 path\$1) same ((source \$1 start\$1) and (destination\$1 end\$1))                                   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:24 |
| S70 | 499   | (communication\$1 adj2 path\$1) same ((source \$1 start\$1) and (destination\$1 end\$1) and intermediate\$1)               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:24 |
| S71 | 57    | S66 and S70  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:24 |
| S72 | 897   | 370/248.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:43 |

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| S73 | 8      | S66 and S72   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:43 |
| S74 | 26     | S51 and S72   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:45 |
| S75 | 362577 | ((query\$3 request\$3<br>inquir\$4 ask\$3) with<br>information\$1)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:53 |
| S76 | 188380 | ((query\$3 request\$3<br>inquir\$4 ask\$3) with<br>information\$1) same<br>((receiv\$4 transmit\$4)<br>with information\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:53 |
| S77 | 85261  | ((map\$4 graph\$3<br>display\$4) with path\$1)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:54 |
| S78 | 2725   | ((map\$4 graph\$3<br>display\$4) with<br>(communication\$1<br>near2 path\$1))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>14:54 |
| S86 | 688    | ((node\$1 device\$1<br>element\$1) near3<br>discover\$4) with path<br>\$1   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>15:07 |
| S87 | 80     | ((((node\$1 device\$1<br>element\$1) near3<br>discover\$4) with path<br>\$1).ab.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>15:08 |
| S88 | 125    | ((((node\$1 device\$1<br>element\$1) near3<br>discover\$4) with path<br>\$1).clm.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>15:08 |
| S89 | 21     | ((((node\$1 device\$1<br>element\$1) near3<br>discover\$4) with path<br>\$1).ti.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/06<br>15:08 |
| S97 | 4324   | (select\$4 choos\$3 pick<br>\$4) with (next<br>succeeding another)<br>with (node\$1 device\$1<br>element\$1 ne\$1 router<br>\$1 switch\$3 terminal<br>\$1) with (path\$1<br>connection\$1 route\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:10 |

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| S98  | 43     | ((map\$4 graph\$3 display\$4) with (communication\$1 near2 path\$1)) and S97   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:11 |
| S99  | 10     | (select\$4 choos\$3 pick \$4) adj3 ((succeeding another) adj2 (node\$1 device\$1 element\$1 ne \$1 router\$1 switch\$3 terminal\$1)) with (path \$1 connection\$1 route \$1)     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:17 |
| S100 | 631    | (select\$4 choos\$3 pick \$4) adj3 ((succeeding another next) adj2 (node\$1 device\$1 element\$1 ne\$1 router \$1 switch\$3 terminal \$1)) same (path\$1 connection\$1 route\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:50 |
| S102 | 239357 | ((map\$4 graph\$3 display\$4) with (path\$1 route\$1 connection\$1))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:51 |
| S103 | 105870 | ((quer\$5 request\$3) with (node\$1 device\$1 element\$1 ne\$1 router \$1 switch\$3 terminal \$1)) same (path\$1 connection\$1 route\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:52 |
| S104 | 295    | S100 and S103  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:52 |
| S105 | 122    | S102 and S104  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>09:53 |
| S106 | 3      | "20010019554"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/09<br>10:04 |
| S107 | 5      | ("20020143787"   "20030115345"   "5835720"   "6578087"   "6697338").PN. OR ("7293106").URPN.   | US-PGPUB;<br>USPAT; USOCR                            | OR | OFF | 2009/02/09<br>10:43 |

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| S110 | 3958965 | ((query\$3 request\$3<br>inquir\$4 ask\$3) (receiv<br>\$3 obtain\$4 accept\$4<br>acquir\$4 collect\$4<br>gather\$4 get\$4)) same<br>(information\$1 data\$1<br>configuration\$1 table\$1<br>address\$2 identifier\$1)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:12 |
| S111 | 58891   | S112 and S110  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:13 |
| S112 | 64653   | ((establish\$3 activat\$4<br>confirm\$3 identif\$4<br>validated exist\$4)<br>near2 (path\$1<br>connection\$1<br>(communication\$1<br>near2 path\$1)<br>communication\$1path<br>\$1)) with (information<br>\$1 data\$1 configuration<br>\$1 table\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:10 |
| S113 | 3184745 | ((query\$3 request\$3<br>inquir\$4 ask\$3) (receiv<br>\$3 obtain\$4 accept\$4<br>acquir\$4 collect\$4<br>gather\$4 get\$4)) with<br>(information\$1 data\$1<br>configuration\$1 table\$1<br>address\$2 identifier\$1)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:14 |
| S114 | 57296   | S112 and S113  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:17 |
| S115 | 1488258 | (topolog\$4 rout\$4<br>switch\$4 connection\$1<br>performance\$1) with<br>(information\$1 data\$1<br>configuration\$1 table\$1<br>address\$2 identifier\$1)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:17 |
| S116 | 54524   | S114 and S115  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:17 |

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| S117 | 9694 | (map\$4 graph\$3 display \$4) with ((establish\$3 activat\$4 confirm\$3 identif\$4 validated exist \$4) near2 (path\$1 connection\$1 (communication\$1 near2 path\$1) communication\$1path \$1)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:18 |
| S118 | 4475 | S116 and S117  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:19 |
| S119 | 899  | 370/248.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S120 | 4981 | 370/252.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S121 | 2361 | 370/254.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S122 | 268  | 370/258.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S123 | 591  | 370/255.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S124 | 442  | 370/256.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S125 | 191  | 370/257.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S126 | 1218 | 370/242.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S127 | 310  | 370/245.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |

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| S128 | 377  | 370/395.3.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S129 | 416  | 370/395.31.ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S130 | 1005 | 370/449.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:25 |
| S131 | 2003 | 370/351.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S132 | 3612 | 709/220.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S133 | 1560 | 709/221.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S134 | 1089 | 709/222.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S135 | 8339 | 709/223.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S136 | 8579 | 709/224.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S137 | 3765 | 709/225.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S138 | 2727 | 709/218.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S139 | 3962 | 709/238.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S140 | 1421 | 709/249.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |



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| S141 | 40705  | S119 S120 S121 S122<br>S123 S124 S125 S126<br>S127 S128 S129 S130<br>S131 S132 S133 S134<br>S135 S136 S137 S138<br>S139 S140   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:26 |
| S142 | 457    | S141 and S118  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:27 |
| S143 | 106095 | ((quer\$5 request\$3)<br>with (node\$1 device\$1<br>element\$1 ne\$1 router<br>\$1 switch\$3 terminal<br>\$1)) same (path\$1<br>connection\$1 route\$1)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:27 |
| S144 | 2771   | ((topolog\$3<br>configuration\$1 link<br>\$1state (link adj state<br>\$1)) near2 (information<br>\$1 configuration\$1 data<br>\$1)) same ((establish\$3<br>activat\$4 confirm\$3<br>identif\$4 validated exist<br>\$4) near2 (path\$1<br>connection\$1<br>(communication\$1<br>near2 path\$1)<br>communication\$1path<br>\$1))                             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:29 |
| S145 | 3229   | ((topolog\$3<br>configuration\$1 link<br>\$1state (link adj state<br>\$1)) near2 (information<br>\$1 configuration\$1 data<br>\$1 parameter\$1 address<br>\$3)) same ((establish\$3<br>activat\$4 confirm\$3<br>identif\$4 validated exist<br>\$4) near2 (path\$1<br>connection\$1<br>(communication\$1<br>near2 path\$1)<br>communication\$1path<br>\$1)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:29 |
| S146 | 1444   | S145 and S143  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:30 |

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| S147 | 9694  | (map\$4 graph\$3 display \$4) with ((establish\$3 activat\$4 confirm\$3 identif\$4 validated exist \$4) near2 (path\$1 connection\$1 (communication\$1 near2 path\$1) communication\$1path \$1)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:30 |
| S148 | 145   | S146 and S147  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:30 |
| S149 | 11562 | (node\$1 ne\$1 (network \$1 near2 (element\$1 node\$1 device\$1)) router\$1 switch\$1) with (communication\$1 adj path\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:34 |
| S150 | 2562  | (map\$4 display\$4 graph \$4) with (communication\$1 adj2 path\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:34 |
| S151 | 525   | S149 and S150  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:34 |
| S152 | 326   | ((connection\$1 rout\$3 circuit\$1 topolog\$4 performance\$1) with (information\$1)) and S151  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:34 |
| S153 | 180   | S150 and S141  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>12:39 |
| S154 | 34    | ("5355371"   "5521910"   "5606669"   "5610904"   "5699347"   "5734824"   "5796736"   "5881243"   "6016306"   "6119171"   "6151319"   "6151324").PN. OR ("6711171").URPN.                         | US-PGPUB;<br>USPAT; USOCR                            | OR | OFF | 2009/02/12<br>12:44 |
| S155 | 6     | "369505".ap.   | US-PGPUB;<br>USPAT; USOCR                            | OR | OFF | 2009/02/12<br>13:04 |

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|------|-------|---|--|----|-----|---------------------|
| S156 | 8711  | ((compar\$3 match\$4 comparison\$1 differentiat\$4) with ((topolog\$3 configuration\$1 link \$1state (link adj state \$1)) near2 (information \$1 configuration\$1 data \$1 parameter\$1 address \$3)))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:31 |
| S157 | 6     | S152 and S156   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:32 |
| S158 | 9694  | (map\$4 graph\$3 display \$4) with ((establish\$3 activat\$4 confirm\$3 identif\$4 validated exist \$4) near2 (path\$1 connection\$1 (communication\$1 near2 path\$1) communication\$1path \$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:51 |
| S159 | 8711  | ((compar\$3 match\$4 comparison\$1 differentiat\$4) with ((topolog\$3 configuration\$1 link \$1state (link adj state \$1)) near2 (information \$1 configuration\$1 data \$1 parameter\$1 address \$3)))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:52 |
| S160 | 50680 | ((compar\$3 match\$4 comparison\$1 differentiat\$4) with ((topolog\$3 configuration\$1 link \$1state (link adj state \$1) connection\$1 circuit \$1 link\$1 path\$1) near2 (information\$1 configuration\$1 data\$1 parameter\$1 address \$3))) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:53 |
| S161 | 85    | S158 and S159   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:53 |
| S162 | 443   | S158 and S160   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>13:53 |

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| S163 | 6249   | ((compar\$4 match\$4<br>differentiat\$4<br>comparison\$1) same<br>((connection\$1 link\$1<br>path\$1) near2 (identifier<br>\$1 address\$1<br>information<br>configuration\$1 data\$1<br>parameter\$1 operator<br>\$1)) same ((circuit\$1<br>node\$1 element\$1<br>router\$1 switch\$1<br>device\$1) near2<br>(identifier\$1 address\$2<br>information\$1<br>configuration\$1 data\$1<br>parameter\$1 operator<br>\$1))) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:10 |
| S164 | 150    | (map\$4 graph\$3 display<br>\$4) with ((establish\$3<br>activat\$4 confirm\$3<br>identif\$4 validated exist<br>\$4) near2 (path\$1<br>connection\$1<br>(communication\$1<br>near2 path\$1)<br>communication\$1path<br>\$1)) and S163  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:10 |
| S165 | 105830 | (compar\$4 match\$4<br>differentiat\$4<br>comparison\$1) with<br>((connection\$1 link\$1<br>path\$1 circuit\$1 node<br>\$1 element\$1 router\$1<br>switch\$1 device\$1)<br>near2 (identifier\$1<br>address\$1 information<br>configuration\$1 data\$1<br>parameter\$1 operator<br>\$1))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:17 |
| S166 | 59660  | (compar\$4 match\$4<br>differentiat\$4<br>comparison\$1) with<br>((connection\$1 link\$1<br>path\$1 circuit\$1 node<br>\$1 element\$1 router\$1<br>switch\$1 device\$1)<br>adj2 (identifier\$1<br>address\$1 information<br>configuration\$1 data\$1<br>parameter\$1 operator<br>\$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:18 |

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|------|-------|---|--|----|-----|---------------------|
| S167 | 1958  | (network\$3 near3<br>topolog\$5) and S166   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:19 |
| S168 | 11455 | (network\$3 near3<br>topolog\$5) and ((path<br>\$1 link\$1 connection\$1<br>route routes) near2<br>(discover\$4 establish\$4<br>establishment\$1 setup<br>\$1 set\$1up provision<br>\$4)) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:21 |
| S169 | 971   | S167 and S168   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:21 |
| S170 | 899   | 370/248.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S171 | 4981  | 370/252.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S172 | 2361  | 370/254.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S173 | 268   | 370/258.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S174 | 591   | 370/255.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S175 | 442   | 370/256.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S176 | 191   | 370/257.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S177 | 1218  | 370/242.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S178 | 310   | 370/245.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |

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| S179 | 377  | 370/395.3.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S180 | 416  | 370/395.31.ccls. | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S181 | 1005 | 370/449.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S182 | 2003 | 370/351.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S183 | 3612 | 709/220.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S184 | 1560 | 709/221.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S185 | 1089 | 709/222.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S186 | 8339 | 709/223.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S187 | 8579 | 709/224.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S188 | 3765 | 709/225.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S189 | 2727 | 709/218.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S190 | 3962 | 709/238.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S191 | 1421 | 709/249.ccls.    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |

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|------|-------|---|--|----|-----|---------------------|
| S192 | 40705 | S170 S171 S172 S173<br>S174 S175 S176 S177<br>S178 S179 S180 S181<br>S182 S183 S184 S185<br>S186 S187 S188 S189<br>S190 S191  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S193 | 267   | S192 and S169   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:22 |
| S194 | 11    | (US-20030093709-\$ or<br>US-20030112808-\$).<br>did. or (US-5825780-\$<br>or US-5870564-\$ or US-<br>6697338-\$ or US-<br>6366582-\$ or US-<br>6711171-\$ or US-<br>7200646-\$ or US-<br>6859452-\$ or US-<br>7382785-\$ or US-<br>5954797-\$).did. | US-PGPUB;<br>USPAT                                   | OR | OFF | 2009/02/12<br>14:25 |
| S196 | 2     | S194 and S166   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:26 |
| S197 | 897   | S169 and ((path\$1 link<br>\$1 connection\$1 route)<br>near2 (establish\$4<br>establishment\$1 setup<br>\$1 set\$1up))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:33 |
| S198 | 633   | ("370".clas. "709".clas.)<br>and S197   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:33 |
| S199 | 10979 | (compar\$4 match\$4<br>differentiat\$4<br>comparison\$1) with<br>((connection\$1 link\$1<br>path\$1 circuit\$1 node<br>\$1 element\$1 router\$1<br>switch\$1 device\$1)<br>adj2 (identifier\$1<br>address\$1))                                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:41 |
| S200 | 13867 | (query\$3 request\$3<br>inquir\$4 ask\$3) with<br>((connection\$1 link\$1<br>path\$1 circuit\$1 node<br>\$1 element\$1 router\$1<br>switch\$1 device\$1)<br>adj2 (identifier\$1<br>address\$1))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:41 |

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| S201 | 1832 | S199 and S200   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:41 |
| S202 | 539  | S201 and ((path\$1 link<br>\$1 connection\$1 route)<br>near2 (establish\$4<br>establishment\$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:42 |
| S203 | 145  | (network\$3 near3<br>topolog\$5) and S202   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:48 |
| S204 | 4305 | (compar\$4 match\$4<br>differentiat\$4<br>comparison\$1) with<br>((connection\$1 path\$1<br>circuit\$1) adj2 (identifier<br>\$1 address\$1))  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:51 |
| S205 | 228  | S204 and ((path\$1 link<br>\$1 connection\$1 route)<br>near2 (new))   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:52 |
| S206 | 55   | (network\$3 near3<br>topolog\$5) and S205   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/12<br>14:52 |
| S207 | 11   | (US-20030093709-\$ or<br>US-20030112808-\$).<br>did. or (US-5825780-\$<br>or US-5870564-\$ or US-<br>6697338-\$ or US-<br>6366582-\$ or US-<br>6711171-\$ or US-<br>7200646-\$ or US-<br>6859452-\$ or US-<br>7382785-\$ or US-<br>5954797-\$).did. | US-PGPUB;<br>USPAT                                   | OR | OFF | 2009/02/13<br>12:45 |
| S208 | 7    | (bandwidth\$1 capacit\$4<br>resource\$1) with<br>(information\$1 data\$1)<br>and S207   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/13<br>12:46 |
| S209 | 2    | "7293106".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/13<br>13:09 |
| S210 | 2    | "7293106".pn. and<br>(table\$1 database\$1)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/13<br>13:10 |
| S211 | 2    | ((HO-KEUNG) near2<br>(LEE)).INV.  | US-PGPUB;<br>USPAT; USOCR                            | OR | OFF | 2009/02/13<br>14:51 |



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| S212 | 26946  | ((HO-KEUNG) near2 (LEE)).INV. nad (lucent).as.  | US-PGPUB; USPAT; USOCR                      | OR | OFF | 2009/02/13 14:52 |
| S213 | 31652  | ((topolog\$3 configuration\$1 link \$1state (link adj state \$1)) near2 (information \$1 configuration\$1 data \$1 identifier\$1))).clm.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:52 |
| S214 | 42815  | ((establish\$3 activat\$4 confirm\$3 identif\$4 validated exist\$4) near2 (path\$1 connection\$1 (communication\$1 near2 path\$1) communication\$1path \$1))).clm.                        | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:54 |
| S215 | 252088 | ((topolog\$3 configuration\$1 link \$1state (link adj state \$1) circuit\$1 device\$1 connection\$1 path\$1 link\$1) near2 (information\$1 configuration\$1 data\$1 identifier\$1))).clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:54 |
| S216 | 11199  | ((HO-KEUNG) near2 (LEE)).INV. (lucent).as.  | US-PGPUB; USPAT; USOCR                      | OR | OFF | 2009/02/13 14:54 |
| S217 | 12713  | S214 and S215   | US-PGPUB; USPAT; USOCR                      | OR | OFF | 2009/02/13 14:54 |
| S218 | 163    | S216 and S217   | US-PGPUB; USPAT; USOCR                      | OR | OFF | 2009/02/13 14:54 |
| S219 | 66640  | ((path\$1 connection\$1 (communication\$1 near2 path\$1) communication\$1path \$1) with (information\$1 configuration\$1 table \$1))).clm.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:57 |
| S220 | 55445  | ((circuit\$1 node\$1 element\$1 device\$1) near2 (address\$2 identifier\$1 parameter \$1 id\$1))).clm.  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:57 |
| S221 | 3842   | S219 and S220   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:57 |
| S223 | 1311   | S214 and S221   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/02/13 14:58 |

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| S225 | 23 | S216 and S223 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/13<br>14:58 |
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